

REMARKS

In accordance with 37 C.F.R. § 1.121, a marked up copy of the presently amended paragraph of the specification is appended hereto. Deletions to the originally filed text are noted by bracketing. Additions are noted by underlining.

The Commissioner is hereby authorized to charge any fees for this submission that may be incurred or credit any overpayment of fees to Deposit Account No. 50-1273. The Examiner is invited to contact Applicants' undersigned Representative if it is believed that prosecution may be furthered hereby.

Respectfully Submitted,

BROBECK, PHLEGER & HARRISON LLP

By: \_\_\_\_\_

  
Jeffrey W. Guise  
Reg. No.: 34,613

Brobeck, Phleger & Harrison LLP  
12390 El Camino Real  
San Diego, CA 92130  
(858) 720-2500



032077.0002.UTL  
PATENT

TABLE 2. PRIMER SEQUENCES	
PRIMER NAME	PRIMER SEQUENCE (5' 3')
Cλ Downstream	TGCCGTCGGCAGGAGGTATTTTCATTATGACTGTCT CCTTGCTATTATGAACATTCTGTAGGGGCCA SEQ ID NO:48
Cλ - 5'	GTCAGCCCAAGGCTGCACCCAGTGTCACCTCTGTTCC SEQ ID NO:49
Cλ - 3'	CGTATCAAGCTTTTACTATGAACATTCTGTAGGGGCCAC SEQ ID NO:50
λ-stuff 1	CCTTTGATAACACCCA SEQ ID NO:51
λ-stuff 1'	GTGTTATCAAAGG SEQ ID NO:52
γ1-stuff 1	5'-CTAGTTTGATAAGGGCC-3' SEQ ID NO:53
γ1-stuff 1'	5'-CTTATCAAA-3' SEQ ID NO:54
κ-stuff 1	5'-CCTTTGATAACACCAA-3' SEQ ID NO:55
κ-stuff 1'	5'- -3' SEQ ID NO:56

Example 3. Insertion of Genes for Patient-Derived Idiotypic V<sub>α</sub> and/or V<sub>β</sub> chains into an Expression Vector:

After the tumor derived sequences for V<sub>α</sub> and/or V<sub>β</sub> chains are isolated as  
 5 described above, oligonucleotide primers containing the terminal 40 nucleotides of the  
 melittin leader peptide (for V<sub>β</sub> chain cloning) (SEQ ID NO:8 – ACTAGTTTTT  
 ATGGTCGTGT ACATTTCTTA CATCTATGCG), the terminal 31 nucleotides of the  
 alkaline phosphatase leader peptide (for V<sub>α</sub> chain cloning) (SEQ ID NO:9 –  
 AGGCCTGAGG CTACAGCTCT CCCTGGGC), and the first 20 nucleotides of the  
 10 respective V<sub>α</sub> or V<sub>β</sub> genes determined from the analysis described *supra* are prepared.  
 Reverse oligonucleotide primers complementary to base pairs 4 to 36 of CA (CA/IgK;  
 SEQ ID NO:15) and base pairs 6 to 35 of CB (CB/IgG<sub>1</sub>; SEQ ID NO:14) from the α or